



A35931-PCT-USA-A 071986.0249  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Watzek et al.  
Serial No. : 10/621,894 Examiner: Not Yet Assigned  
Filed : July 17, 2003 Group Art Unit: 1614  
For : DRUG COMPOSITION FOR THE PROMOTION OF TISSUE  
REGENERATION  
Customer No. : 21003

INFORMATION DISCLOSURE STATEMENT

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Lisa B. Kole  
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35,255  
Patent Reg. No.  
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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §§1.97 and 1.98, applicants respectfully request that the documents listed below in reverse chronological order and on the accompanying PTO 1449 be considered by the Examiner and made of record in the above-referenced application. Copies of the documents listed are enclosed.

1. U.S. Patent Application Publication No. US 2002/0114796 by Eibl published August 22, 2002.
2. International Patent Publication No. WO 00/71153 published November 30, 2000.
3. International Patent Publication No. WO 00/15248 published March 23, 2000.
4. Heraud, F. Ann Rheum Dis 2000, "Apoptosis in normal and osteoarthritic human articular cartilage", pps. 959-965.
5. Weber et al., Thromb Res, 2000, "Platelet-Derived Microparticles Stimulate Coronary Artery Smooth Muscle Cell Mitogenesis by a PDGF-Independent Mechanism", pps. 461-466.
6. Forlow et al., Blood 2000, "Leukocyte-leukocyte interactions mediated by platelet microparticles under flow", pps. 1317-1323.
7. International Patent Publication WO 99/24044 published May 20, 1999.
8. Barnes et al., JBMR, 1999, "Perspective Growth Factor Regulation of Fracture Repair", pps. 1805-1815.
9. Gornstein et al., J. Periodontol, 1999, "Androgens modulate interleukin-6 production by gingival fibroblasts in vitro", pps. 604-609.
10. Barry et al., J. Clin. Invest., Thromb Haemat, 1999, "Transcellular Activation of Platelets and Endothelial Cells by Bioactive Lipids in Platelet Microparticles", pps. 2118-2127.
11. Barry et al., J. Clin. Invest., 1997, "Mechanisms of Cellular Activation by Platelet Microparticles", pps. 794-800.
12. Holzheimer et al., RG, 1996, Zentralbi Chir, "Lokale und systemische immunologische Aspekte in Klinik und Experiment", pps. 31-32.
13. Gawaz et al., M. Atheroscler Thromb. Vasc. Biol., 1996, "Agglutination of Isolated Platelet

- Membranes".
14. Brittberg et al., The New England Journal of Medicine, 1994, "Treatment of Deep Cartilage Defects in the Knee with Autologous Chondrocyte Transplantation".
  15. Bennet et al., Am J. Surg., 1993, "Growth Factors and Wound Healing: Part II. Role in Normal and Chronic Wound Healing", pps.74-81.
  16. Bennet et al., Am J. Surg., 1993, "Growth Factors and Wound Healing: Biochemical Properties of Growth Factors and Their Receptors", pps.728-737.
  17. U.S. Patent No. 5,178,883 by Knighton, issued January 12, 1993.
  18. U.S. Patent No. 5,165,938 by Knighton, issued November 24, 1992.
  19. Piquet et al., Vox Sang, 1992, "Virus Inactivation of Fresh Frozen Plasma by a Solvent Detergent Procedure: Biological Results", pps.251-256.
  20. Hoffman et al., M. Thromb Haemat, 1992, "Coagulation Factor IXa Binding to Activated Platelets and Platelet-Derived Microparticles: A Flow Cytometric Study", pps. 74-78.
  21. Horowitz et al., Blood 1992, "Solvent/Detergent-Treated Plasma: A Virus-Inactivated Substitute for Fresh Frozen Plasma", pps. 826-831.
  22. International Patent Publication No. WO 91/16009 published October 31, 1991.
  23. International Patent Publication No. WO 91/13905 published September 19, 1991.
  24. International Patent Publication No. WO 91/04035 published April 4, 1991.
  25. Tans et al., Blood 1991, "Comparison of Anticoagulant and Procoagulant Activities of Stimulated Platelets and Platelet-Derived Microparticles", pps. 2641-2648.
  26. International Patent Publication No. WO 90/12581 published November 1, 1990.
  27. International Patent Publication No. WO 90/07931 published July 26, 1990.

28. Piet et al., Transfusion 1990, "The use of tri(n-butyl)phosphate detergent mixtures to inactivate hepatitis viruses and human immunodeficiency virus in plasma and plasma's subsequent fractionation", pps. 591-598.
29. Lin et al., Blood 1989, "Use of 8-Methoxypsoralen and Long-Wavelength Ultraviolet Radiation for Decontamination of Platelet Concentrates", pps. 517-525.
30. Ando et al., J. Biol. Chem. 1988, "Complement Proteins C5b-9 Initiate Secretion of Platelet Storage Granules without Increased Binding of Fibrinogen or von Willerbrand Factor to Newly Expressed Cell Surface GPIIb-IIIa", pps. 11907-11914.
31. Sims et al., J. Biol. Chem. 1988, "Complement Proteins C5b-9 Cause Release of Membrane Vesicles from the Platelet Surface That Are Enriched in the Membrane Receptor for Coagulation Factor Va and express Prothrombinase Activity", pps. 18205-18212.
32. International Patent Publication No. 8603122 published June 5, 1986.
33. George et al., J. Clin. Invest., 1986, "Studies on Resting and Activated Platelets and Platelet Membrane Microparticles in Normal Subjects, and Observations in Patients during Adult Respiratory Distress Syndrome and Cardiac Surgery", pps. 340-348.
34. George et al., Blood 1986, "Platelet membrane microparticles in blood bank fresh frozen plasma and cryoprecipitate", pps. 307-309.
35. Goodson et al., J. Surg. Res., 1977, "Studies of Wound Healing in Experimental Diabetes Mellitus", pps. 221-227.

Several of the listed patent documents have been cited on the International Search Report for International Patent Application No. PCT/AT02/00018, to which the present application claims priority. A copy of the International Search Report is also enclosed, which indicates the

possible relevance of each document cited therein.

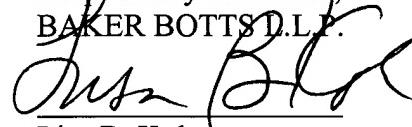
There is currently no written English-language translation of foreign language reference Holzheimer et al. (Ref. #11) readily available to the undersigned attorney. Enclosed is U.S. Patent Application Publication No. 2002/0114796, which is related to foreign language reference, International Patent Publication No. WO 00/71153 (Ref. #2).

Identification of the listed documents is not to be construed as an admission of the applicants or attorneys for applicants that such citations are available as “prior art” against the subject application. If the Examiner applies the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute “prior art” under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of the documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

There should be no fee required for this submission. However, if any fee is required, or if any overpayment has been made, the Commissioner is hereby authorized to charge any fees, or credit or any overpayments made, to Deposit Account 02-4377. A duplicate copy of this paper is enclosed.

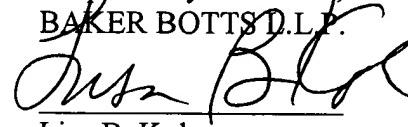
Respectfully submitted,  
BAKER BOTTS L.L.P.



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Serial No.  
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**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)**

Applicants  
Watzek et al.

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1614

**U.S. PATENT DOCUMENTS**

*Exam. Init.	Document No.								Date	Name	Class	Subclass	Filing Date ifAppropriate
	17	5	1	7	8	8	8	3	01/12/93	Knighton	424	532	
	18	5	1	6	5	9	3	8	11/24/92	Knighton	424	532	

**FOREIGN PATENT DOCUMENT**

	Document No.								Date	Country	Class	SubClass	Translator Yes No
	2	0	0	7	1	1	5	3	11/30/00	WIPO			
	3	0	0	1	5	2	4	8	03/23/00	WIPO			
	7	9	9	2	4	0	4	44	05/20/99	WIPO			
	22	9	1	1	6	0	0	9	10/31/91	WIPO			
	23	9	1	1	3	9	0	5	09/19/91	WIPO			
	24	9	1	0	4	0	3	5	04/04/91	WIPO			
	26	9	0	1	2	5	8	1	11/01/90	WIPO			
	27	9	0	0	7	9	3	1	07/26/90	WIPO			
	32	8	6	0	3	1	2	2	06/05/86	WIPO			

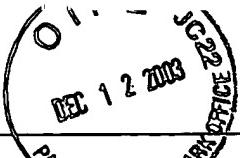
**OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)**

1		U.S. Patent Application Publication No. US 2002/0114796 by Eibl published August 22, 2002.
4		Heraud, F. Ann Rheum Dis 2000, "Apoptosis in normal and osteoarthritic human articular cartilage", pps. 959-965.
5		Weber et al., Thromb Res, 2000, "Platelet-Derived Microparticles Stimulate Coronary Artery Smooth Muscle Cell Mitogenesis by a PDGF-Independent Mechanism", pps. 461-466.

Examiner

Date Considered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.



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9	Gornstein et al., J. Periodontol, 1999, "Androgens modulate interleukin-6 production by gingival fibroblasts in vitro", pps. 604-609.
10	Barry et al., J. Clin. Invest., Thromb Haemat, 1999, "Transcellular Activation of Platelets and Endothelial Cells by Bioactive Lipids in Platelet Microparticles", pps. 2118-2127.
11	Barry et al., J. Clin. Invest., 1997, "Mechanisms of Cellular Activation by Platelet Microparticles", pps. 794-800.
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15	Bennet et al., Am J. Surg., 1993, "Growth Factors and Wound Healing: Part II. Role in Normal and Chronic Wound Healing", pps.74-81.
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29 Lin et al., Blood 1989, "Use of 8-Methoxysoralen and Long-Wavelength Ultraviolet Radiation for Decontamination of Platelet Concentrates", pps. 517-525.

30 Ando et al., J. Biol. Chem. 1988, "Complement Proteins C5b-9 Cause Release of Membrane Vesicles from the Platelet Surface That Are Enriched in the Membrane Receptor for Coagulation Factor Va and express Prothrombinase Activity", pps. 18205-18212.

31 Sims et al., J. Biol. Chem. 1988, "Complement Proteins C5b-9 Initiate Secretion of Platelet Storage Granules without Increased Binding of Fibrinogen or von Willerbrand Factor to Newly Expressed Cell Surface GPIIb-IIIa", pps. 11907-11914.

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